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TITLE: ANAEROBIC DIGESTION TREATMENT AND PRODUCTION
OF IRON
BASED SINTERED COMPACT USED FOR THE SAME METHOD

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INVENTOR-INFORMATION:

NAME

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ABSTRACT:

PROBLEM TO BE SOLVED: To provide an anaerobic digestion tank preventing the lowering of pH of a water to be treated and the accumulation of sulfide ion, which cause the inhibition of digestion, by adding a simple equipment to an existing anaerobic digestion tank.

SOLUTION: The water 7 to be treated in the anaerobic digestion tank 1 is brought into contact with an iron based sintered compact containing magnesium, and pH adjust and the removal of sulfide ion in the water 7 to be treated are performed by the components in the iron based sintered compact 9. As the iron based sintered compact, one obtained by mixing magnesium oxide powder with a waste water treatment sludge containing a large quantity of iron component to form into a spherical or pellet like shape and firing at a high temp. is used.

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